



COLORADO SPRINGS,
COLORADO

July 1993

Inside....

Page 2	By-Laws change
Page 3	Autopatch Pizza?
Page 4	Dits and Bits
Page 6-7	Calendar
Page 8	CW Fantasy
Page 9-10	Minutes
Page 11	Annual Picnic



Pikes Peak Radio Amateur Association, Inc.
P. O. Box 16521
Colorado Springs, Colorado 80935

FIRST CLASS MAIL



Ø BEAT

P.P.R.A.A. OFFICERS AND DIRECTORS



PRESIDENT	LUCI STANSBERRY NØUD 2630 E. UTAH 80909.....	636-1290
VICE-PRESIDENT	ALLEN VROOMAN NØCMW 1341 DIANA LN. 80909.....	473-1660
SECRETARY	LIZ DEUTSCH NØTUK 4305 RIDGELANE DRIVE 80918.....	593-8352
TREASURER	THOMAS L. MCDANIEL NØNTX 4255 SHINING WAY 80916.....	570-1465
PAST PRESIDENT	HARV SIMS WB6YXD 19740 FOUR WINDS WAY 80132.....	481-4597
BOARD MEMBER	KEN PHILLIPS NØNKP 4830 SANTIAGO WAY 80917.....	574-6358
BOARD MEMBER	ROSIE CALAWAY WAØMNL 616 NORTH 31ST ST. 80904.....	471-9963
BOARD MEMBER	STEVE WESTBY WB7VHR 11440 KEITH DRIVE 80916.....	570-1070
BOARD MEMBER	STEVE SCHAARSCHMIDT KØCI 6155 TUKERMAN LANE 80918.....	598-3554
Ø-BEAT EDITOR	RON DEUTSCH NØØP 4305 RIDGELANE DRIVE 80918.....	593-8332

ZERO BEAT is published monthly in the interest of the members of the Pike's Peak Radio Amateur Association, Inc., PO Box 16521, Colorado Springs, Colorado 80935. For membership and subscription information see last page of this publication. The Pike's Peak Radio Amateur Association meets monthly on the second Wednesday of each month at the Disabled American Veterans, Chapter 26, 6680 Palmer Park Blvd. at 7PM.

EDITOR: Ron Deutch, NØØP, 4305 Ridgeland Drive, Colorado Springs, Colorado 80916 (719)593-8352

Deadline for submission of articles or ads is the 21st of each month. Submissions may be sent to the Editor or to the club PO box. Permission to reprint articles is granted provided credit is given to both the author and this publication.

ADVERTISING RATES: Full page \$48; half page \$24; quarter page \$12; business card \$6. These are monthly rates and are billed quarterly. Send your ad requests and payments to: PPRAA, PO Box 16521, Colorado Springs, Colorado 80935.

By-laws Change

Article VII

Section 7 Membership Committee

Currently reads:This committee shall print out the labels for Zero Beat monthly as well as a complete membership roster for publication in Zero Beat every four months.

Proposed change: ...This committee shall print out the labels for Zero Beat monthly and a complete membership roster for publication in Zero Beat twice a year. In addition, changes to the roster will be provided to the Zero Beat editor for publication as soon as practical after the are received by the membership chairman.

Committee Chairpersons

Publicity	Al Craig	594-9288
Membership	Les Borst	634-3995
Education	Al Bailey	597-8514
VE Testing	Rick Brown	531-9423
Interference	Bill Petty	591-2116
RACES	Doug Moloney	unlisted
ARES	John Chapman	635-1604
SkyWarn	Steve Westby	570-1070
Public Service	Mike Stansberry	636-1290
CCARC	Oak Stockton	570-7782
Club Trailer	Steve Westby	570-1070
Newsletter	Ron Deutsch	593-8352
Club Historian	Al Craig	594-9288

VE Testing

Rick Brown - KDØSU

VE Testing is sponsored by the PPRAA on the 2nd Saturday of February, April, June, August, October and December. Testing takes place at 9:00 AM at:

Denver Technical College (DTC)
225 South Union
Colorado Springs

While we prefer pre registration, walk-ins are accepted on a space available basis. As a reminder to anyone wishing to take an examination you should bring the follow items.

1. \$5.60 (preferably a check made out to ARRL/VEC) for all exams above Novice.
2. Picture identification
3. A copy of your current amateur license as well as the signed original, or a copy of any examination credit you have.
4. Pen, pencils, and a calculator if you need one.

To pre register, or if you have any questions, please call me at 531-9423. Please do not call DTC, they only provide us the place, and do not have any of the information about testing.

Can I Use the Autopatch to Order a Pizza As Long As I Leave Off the Anchovies?

by Bob Witte, KBØCY
Board Member
Pikes Peak FM Association

This is a reminder to amateur radio operators that business use of amateur radio is prohibited by FCC regulations. The only exception to this rule is emergency communications directly relating to the immediate safety of individuals or protection of property. The FCC made the no-business rule to keep the amateur bands from being overrun with businesses such as taxicab dispatchers and tow truck operators. Also, the rule is intended to maintain the hobby nature of amateur radio. The FCC says that amateur radio operators are "persons interested in radio technique solely with a personal aim and without pecuniary interest."

The availability of autopatches tends to increase the probability of encountering business communications since the person on the phone often is not a licensed radio amateur. However, the issue is not confined to just autopatches. This is especially true with the increasing numbers of family members obtaining their licenses. Since so much of our day-to-day activity involves employment and shopping (earning money and spending money), it's easy for business use to creep into our radio conversations.

Many hams don't realize how fortunate we are to have autopatches. In many countries, autopatches are not allowed since the government owns and operates the telephone system and doesn't appreciate the competition. So we should treat autopatches as a privilege not a right.

Keep in mind that your decisions about the use of a repeater or an autopatch affect other radio amateurs. The repeater licensee is responsible for the content of transmissions on the repeater. Less directly, the rest of the repeater group can be affected by your actions. If the FCC should fine the repeater licensee for inappropriate use

of amateur radio, we could all lose the use of the autopatch.

What exactly does the FCC say about business communications? "No amateur station shall transmit any communication the purpose of which is to facilitate the business or commercial affairs of any party." Pretty clear and to the point -- business communications are not allowed. Or is it clear? Exactly what is business communications? Ask ten different radio amateurs and you will probably get ten different answers. Thus, the fine points of this issue have been debated passionately over the years. The FCC is considering liberalizing the prohibition against business communications, which might help the situation some. Or it might just move the arguments to a new set of gray areas. The intent of this article is NOT to clear up the gray areas because, frankly, it probably can't be done. This article DOES encourage amateurs to refrain from blatant forms of business communication and to stay away from the gray areas as much as possible. Staying away from the gray areas means that the repeater licensee and officers are not forced into splitting hairs on the definition of business use to protect the legal use of the repeater.

Here are some specific guidelines concerning business use of amateur radio:

- * Using the autopatch to facilitate a business transaction is illegal. For example, ordering a pizza (with or without anchovies) using amateur radio is illegal.

- * Autopatch calls to a business phone may be legal, but make sure the content of the call is CLEARLY not business related.

- * Autopatch calls to your place of business to check for messages or to coordinate appointments is illegal. This is true even if your business is run from your house and the information is provided by a member of your family.

- * Remember that these same restrictions apply even when not using the autopatch. For example, calling your licensed spouse and discussing business activities is illegal.

- * Business communication used to remedy an emergency situation is legal. For example, calling a tow truck company to remove a car

from a hazardous location is allowed and encouraged.

* The FCC has ruled that the discussion of amateur radio equipment for sale (including swap nets) is legal as long as it's not a regular business activity. However, don't discuss or negotiate the price on the air.

* Consider the purchase of a cellular telephone if you have a need for mobile business communications. Remember, amateur radio is a hobby and your radio is NOT a mobile telephone.

Let's protect our amateur radio privileges, including autopatches. Please give this issue some thought and make sure that your amateur radio conversations are clearly not business related.

Dits and Bits

ATV EQUIPMENT FOR SALE

ELKTRONIC VDG-1 VIDEO GENERATOR
\$50.00

PC ELECTRONIC KPA5-E "KREEPIE PEEPIE"
TRANSMITTER \$125.00

CRYSTALIZED FOR 426.25 AND 439.25 MHZ
SUPERCIRCUITS MICRO VIDEO CAMERA
\$150.00

PACKET EQUIPMENT FOR SALE

PACCOMM TNC 200 \$75.00

KANTRONIC D4-10 440MHZ PACKET
TRANSCEIVER \$275.00

CONTACT: MALCOLM BENTON KE9S PHONE:
488-2071

FOUND AT SWAPFEST:

Two green plastic chairs.
Call Steve KØCI 598-3554

Silent Key...NØIUT

I would like to thank all who sent their condolences after the passing of my wife, Frances, NØIUT. It was greatly appreciated.
Al Vrooman, NØCMW

Assistance requested:

I am requesting help in making a Heathkit 2036A operational. This unit had been built and stored without being aligned or debugged. I will appreciate any aid that I can receive.

Bill Newell, NØWUX 575-0579

For Sale:

Rohn 45 tower sections 4x10ft sections w/ top section \$250.00.

Tilt over base section 34"x38". \$50.

11 ft. mesh parabolic dish (some damage) \$25

2- 6ft aluminum parabolic dishes one with mounting hardware.

Collinear antenna unknown frequency. Folded dipoles approx 11" (call for more info)

Contact Al Craig, N2IWZ 594-9288

MARC Hamfest/Campout

The MARC Swapfest/Campout will be on July 24 and 25 at the Red Rocks Campground 4 mi. north of Woodland Park on Hwy 57. Contact Bob NØFCR @ 587-8025



OM/YL Lunch Bunch

On June 17, 1993 fourteen OM/YL Chowhounds met at the Home Town Buffet at the Shops at the Bluffs for a very delightful lunch, and a good time was had by all.

Ora Rose, NØQJX, is hosting our next luncheon at her home on 5214 Colter Ln. at 12:00 noon on 22 July 1993. Colter Lane is off of Lehmberg between Galley and Palmer Park Blvd. Telephone # 591-5756. This will be a picnic in her back yard, so please bring your chairs, place settings, your choice of meat, ect, and a covered dish. Ora is providing the desert. Come one, come all.

Our club picnic is in August, so we will not have a OM/YL Lunch Bunch get together.

MILEY'S RADIO

Jess KØTAA
719 W. 7th St.
Florence, Colorado 81226
(719) 784-3040

All Brands of new, used, and consignments
We trade and give you top trade-in price
We buy used ham equipment

OEM PARTS

INC.

—QUALITY—

Optical — Electronic — Mechanical Parts
Buy — Sell — Trade — New & Used Surplus Items

3029 North Hancock Ave.
Colorado Springs, CO 80907
719-835-0771 / 835-0772
FAX 719-475-2249

Retail Operations Director



COLORADO STITCHERY

Custom Design
Computerized Embroidery — Digitizing

Norm Skinner
(719) 550-9181

5222 Colter Lane
Colorado Springs, CO 80915

JOHN MAX
President

Colorado Springs Wintronic Co.

Wholesale Distributors
Electronic Parts, Supplies & Equipment

2838 N. Prospect St.
Colorado Springs, Co. 80907

Tel. (719) 836-1861
FAX (719) 836-1863

11 Store Buying Power



8400 East Iliff, Unit 9
Denver, Colorado 80231

(303)745-7373

(800)444-9476

24 hour FAX Order Line (303)745-7394

Joe KDØGA George KDØRW
John N5EHP Mike NIØE
Jim KBØBVN

Centennial Electronics

Distributor



- TUBES
- Capacitors
- Solder Aids
- Test Equipment
- Tools
- VCR/Stereo Accessories

"Hard to Find Batteries and Tubes"

Ham & Senior Discount
Wholesale - Retail

Hours: 8:30—1 Sat. / 8:30—5:30 Mon.—Fri.

2324 E. Bijou
Colorado Springs, CO 80909
633-4666

July 1993

PIKES PEAK RADIO AMATEUR ASSOCIATION

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

				1 7:00pm Teller Co. ARES Net 146.82 8:00pm SCTN 146.97	2 8:00pm SCTN 146.97	3 7:00am Village Inn Breakfast 8:00pm SCTN 146.97
4 Pikes Peak Auto Climb 8:00am COLORADO ARES NETS 3928.0 7:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	5 8:00pm SCTN 146.97	6 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	7 8:00pm SCTN 146.97	8 7:00pm Teller Co. ARES Net 146.82 8:00pm SCTN 146.97	9 8:00pm SCTN 146.97	10 7:00am Village Inn Breakfast 8:00pm SCTN 146.97
11 8:00am COLORADO ARES NETS 3928.0 7:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	12 7:00pm Paket Radio Voice Net 37/97 8:00pm SCTN 146.97	13 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	14 7:00pm PPRAA CLUB MEETING DAY CENTER 8:00pm SCTN 146.97	15 RACES Meeting 7:00pm Teller Co. ARES Net 146.82 8:00pm SCTN 146.97	16 8:00pm SCTN 146.97	17 Highland Games 7:00am Village Inn Breakfast 8:00pm SCTN 146.97
18 8:00am COLORADO ARES NETS 3928.0 7:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	19 7:00pm PPRAA Board Meeting Npcmw 8:00pm SCTN 146.97	20 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	21 7:00pm MARC Meeting Woodland Park 8:00pm SCTN 146.97	22 7:00pm Teller Co. ARES Net 146.82 8:00pm SCTN 146.97	23 8:00pm SCTN 146.97	24 MARC Swapfest- Campout Red Rocks Campground 7:00am Village Inn Breakfast 8:00pm SCTN 146.97 MARC Swap...
25 MARC Swapfest- Campout Red Rocks Campground 8:00am COLORADO ARES NETS 3928.0 7:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97 MARC Swap...	26 O-BEAT DEADLINE 7:00pm Paket Radio Voice Net 37/97 8:00pm SCTN 146.97	27 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	28 8:00pm SCTN 146.97	29 7:00pm Teller Co. ARES Net 146.82 8:00pm SCTN 146.97	30 8:00pm SCTN 146.97	31 Police & Fire Games 7:00am Village Inn Breakfast 8:00pm SCTN 146.97

June

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

August

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

MONTHLY EVENT CALENDAR

6/20/1993

August 1993

PIKES PEAK RADIO AMATEUR ASSOCIATION

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 Pikes Peak Banders 8:00am COLORADO ARES NETS 3928.0 7:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	2 8:00pm SCTN 146.97	3 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	4 8:00pm SCTN 146.97	5 7:00pm Teller Co. ARES Net 146.82 8:00pm SCTN 146.97	6 8:00pm SCTN 146.97	7 7:00am Village Inn Breakfast 8:00pm SCTN 146.97
Police and Fire Games						
8 8:00am COLORADO ARES NETS 3928.0 7:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	9 7:00pm Packet Radio Voice Net 8:00pm SCTN 146.97	10 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	11 7:00pm PPRAA MEETING DAV Center 8:00pm SCTN 146.97	12 7:00pm Teller Co. ARES Net 146.82 8:00pm SCTN 146.97	13 8:00pm SCTN 146.97	14 7:00am Village Inn Breakfast 8:00pm SCTN 146.97
15 8:00am COLORADO ARES NETS 3928.0 12:00pm PPRAA Picnic & Board Meeting 7:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	16 8:00pm SCTN 146.97	17 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	18 7:00pm MARC Meeting Woodland Park 8:00pm SCTN 146.97	19 RACES Meeting 7:00pm Teller Co. ARES Net 146.82 8:00pm SCTN 146.97	20 8:00pm SCTN 146.97	21 7:00am Village Inn Breakfast 8:00pm SCTN 146.97
22 8:00am COLORADO ARES NETS 3928.0 7:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	23 0-BEAT DEADLINE 7:00pm Packet Radio Voice Net 8:00pm SCTN 146.97	24 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	25 8:00pm SCTN 146.97	26 7:00pm Teller Co. ARES Net 146.82 8:00pm SCTN 146.97	27 8:00pm SCTN 146.97	28 7:00am Village Inn Breakfast 8:00pm SCTN 146.97
29 8:00am COLORADO ARES NETS 3928.0 7:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	30 8:00pm SCTN 146.97	31 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97				

July

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

September

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

MONTHLY EVENT CALENDAR

6/20/1993

Board Meeting, June 14, 1993.

The meeting was held at the QTH of Luci, NØUD and Mike KØTER. The following members were present: Luci, NØUD, Mike, KØTER, Al, NØCMW, Tom, NØNTX, Ken, NØNKP, Rosie, WAØMNL, Steve, KØCI, Ron, NKØP and Liz NØTUK. Steve, WB7VHR could not be present due to Skywarn activation.

The meeting was called to order at 7pm by President Luci.

The Board approved the appropriation of \$100.00 for food for Field Day.

The City antennae ordinance was discussed. Hams are encouraged to attend the hearing. The date is not yet known.

The July program for the General Meeting will be electrical safety. The August program is still open.

A representative from ARRL, Marshall Quiat, AGØX, will come to the September General Meeting.

The Board approved the purchase of an electric stapler for Ø Beat.

A proposal for the publication of the membership roster will be published in Ø Beat in July.

By-laws will not be published on Ø Beat but will be made available at the General Meetings. The next time the By-laws will be available will be at the August General Meeting. Any changes will have been completed by that time.

We still need a raffle prize for the picnic.

The 22.00 realized from the sale of doughnuts will be turned over to the Club savings account.

The Le Baron Hotel has expressed interest in participating in next year's Swapfest.

A QST subscription for the Library was authorized.

A 25.00 contribution to the Baptist church that provided space for VE testing was authorized.

Money for the new textbooks for the Novice/Tech classes was approved.

A contribution to the DAV was discussed.

Tentative plans for a "Ham" breakfast at the DAV are being made. The tentative date is Sept 12.

There will be a mini Swapfest at the picnic. The left-over donated parts will be available for sale.

The meeting was adjourned at 8pm. The next board meeting will be at the QTH of Al, NØCMW, at 7pm on July 19.

Submitted by Liz, NØTUK, PPRAA Secretary

CW Fantasy

by Eric Lagerstrom, KN6FR

Is Morse Code just a requirement for access to the HF bands, or is there something more to those dits and dahs? The reactions of children suggest the code may contain considerable fantasy and wonder.

I spent most of a recent weekend at the K6LY club station, enjoying the CW weekend of the ARRL International DX Contest. Each day my ten- and nine-year-old sons, and four-year-old daughter came to spend a few hours watching, listening and practicing Morse on a Heathkit keyer.

Christine, the four-year-old, bubbles with curiosity. She waited her turn. Then, with earphones perched on her head, sat down to "practice Morse code" for over three hours—about 300 times the attention span of the average adult. She showed not the slightest dip in her intensity.

I can't say to what degree the kids are learning the code, but it certainly has a great attraction for them. When I look into their eyes I see their wonder and fantasy with this language old Sam Morse invented. I also see myself reflected, and recognize I share the same wonder and fantasy.

*from the April '93 Naval Postgraduate School
ARC "Scuttlebutt"—AA6EG, KC6LKV, and
KC3RL Co-Editors ANRS-6/93*

General Meeting, April 14, 1993

The meeting was called to order by President Luci, NØOUD at 7pm.

Amendment to March minutes - Expenses last month were 1139.59, not 139.59.

Committee Reports:

Education -

Thanks to all volunteer instructors for conducting the Novice and General classes.

VE Testing -

31 applicants were tested at the latest test session.

Interference - There were no reported episodes this month.

RACES -

Times and locations of nets were reviewed.

ARES -

Packet cluster is functional. A users' guide is available for 3.00.

Public Service -

Brief review of upcoming events.

CCARC -

The ARRL has an opening for a Director of Affiliate Clubs.

Woodland Park Hamfest - Dates are July 24th and 25th.

Public Relations -

The Baptist Church across from the City Auditorium will be used for VE testing at the May Swapfest.

Field Day -

Will be held on the last weekend in June. There is a need for station operators for packet, Novice/Tech and VHF/UHF.

Ø-Beat:

The May and June issues of Ø-Beat will be combined. The issue will be mailed May 7, 1993. The membership roster will be updated this month. Please submit any changes to Les, KCØNC. The May and June calendar was passed around for additions or corrections.

Treasurer's Report:

Previous Balance:	\$673.62
Income:	\$433.35
Expenses:	\$422.67
New Balance:	\$684.30

New Business:

The need to find a new meeting location was discussed. A motion was carried to form a committee for this purpose.

Old Business:

None

Program:

Jim Maxwell from the National Weather Service and Steve Westby WB7VHR conducted the SKYWARN training program.

Submitted by Liz, NØTUK
PPRAA Secretary

Board Meeting, April 18, 1993

The meeting was held at the QTH of Ken, NØNKP.

The following members attended:

Luci, NØOUD, Tom, NØNTX, Harv, WB6YXD, Ken, NØNKP, Steve WB7VHR, Steve, KØCI, Ron NKØP, Bill, NØNJX, Liz, NØTUK.

The need to move the PPRAA meeting was discussed. We will actively pursue the possibility of using the DAV.

Extra copies of the Ø-Beat will be printed so that they can be given away at the Swapfest. Copies of the roster will also be printed and distributed.

Mike, KØTER reported that there is donated equipment which could be sold at the Swapfest.

Steve WB7VHR will review the equipment which is now located at Mike's QTH.

The meeting was adjourned at 4:45pm (after 45min). The next board meeting will be held on May 17 at 7pm at the QTH of Steve, KØCI.

Submitted by Liz, NØTUK

General Meeting, June 9, 1993

The meeting was called to order at 7pm by Luci, NØOD. The minutes were accepted as read.

Treasurer Report: Previous Balance - 943.77

Income - 4253.97

Expenses - 3849.18

New Balance - 1548.56

Preliminary reports indicate that the sales from the boutique were \$34.40 (with sales tax), sales of surplus equipment amounted to \$437.36 (with sales tax), admission and table sales amounted to \$1270.01 and raffle sales amounted to \$1145.49. The preliminary total is \$2887.26.

Education:

The Novice/Tech test is being changed. There is a new book that reflects the changes. The Club voted to appropriate the money for the purchase of these books for the instructors to teach from.

VE:

Over 90 people were tested on the May 15 session.

ARES:

The times and days of nets were reviewed.

Club Trailer:

We are still in need of a new fenced-in location in which to store the trailer.

Skywarn:

There have been three call-outs so far. Members are reminded that they may check in even if they are not needed immediately. This is because conditions may change and they may be needed at a later time. Members are also reminded to not go to the National Weather Service Office. The office is not large enough to accommodate more than two people during a weather emergency.

A Skywarn class was held at Woodland Park. The class was well-attended. Another class will be held in the Springs if there is enough interest. A sign-up sheet was passed around.

KKLJ will do a story about Skywarn.

Public Service:

Up-coming events include;

Tour de Cure on June 12,

Pikes Peak Hill Climb on July 4,

Highland Games on July 17,

Pikes Peak Enduro on Aug 1,

World Police and Fire Games from July 31 to Aug. 7,

Ride With the Stars in Sept,

A Bicycle Race on Sept 19,

March of Dimes walk for America on Sept. 26.

CCARC:

Nothing new to report.

Ø Beat:

The July and August calendars were circulated. Copies of the Club Roster are available. There was a discussion about the frequency of the roster publication and update. The mode of distributing the roster was also discussed. The by-laws relating to the roster were reviewed. The Editor will write a proposal which will be printed in the July newsletter. The membership will vote on the proposal at the July meeting.

The Swapfest chairman and all those who were associated with the Swapfest were recognized and honored for their achievement.

There will be an International Tesla Conference in Colorado Springs at the Sheraton Hotel during the last weekend in July.

Field Day is the last weekend in June.

John Greene needs antenna work done. Volunteers are needed.

Volunteers are needed to help with programs in District 11 schools.

Rosie and Mona were thanked for their work with the raffle during the Swapfest.

Al Vrooman, NØCMW was elected Vice President.

A review of Field Day was conducted. Rosie WAØMNL and Steve KØCI conducted a Field Day exercise.

Submitted by Liz, NØTUK, PPRAA Secretary.

Hamfest and Raffle

I want to thank everyone who supported our Hamfest and Raffle.

WSØL Jesse Stump of rural Sedalia won the Icom 725. Jesse wants to say a big thanks too. He said he put that new rig beside his bed the first night, so that when he woke up in the night he could touch it and he wouldn't think he was dreaming. He said "It's beautiful, nicest thing that could have happened to me. The rig works great, I can't tell you how good it feels to win it." Your welcome Jesse. There were 97 hourly prize winners. The raffle profit after expenses is \$1,084.

WAØMNL, Rosie

Swapfest VE Session

Rick - KDØSU

The VE test session that was held at the PPRAA Swapfest was extremely successful. The VE team administered 94 exams to 58 people with the follow results.

Tech	26
Tech/HF	9
General	2
Advanced	2
Extra	2

There were many others who successfully completed exams for element credit only.

I would like to thank the following people who missed the swapfest because they spent most of the day helping give examinations.

Bill - K4YCD	Mike - WU3H
Lee - AA5LH	Pete - NØLA
Dennis - WØMLW	Joe - KQØS
Dan - WDØCNQ	Frank - KFØWF
Ed - KDØNB	

PPRAA Annual Picnic

Be sure to reserve Sunday August 15th for our annual picnic which will be held again this year at the USAF Academy picnic area #3 from 12 noon to 5pm.

1. Don't forget to bring you favorite covered dish or whatever to share. Also a utensil to serve it with. The following is for your guidance:

Hamburgers, hot-dogs, buns, coffee and drinks provided by the PPRAA.

A through M-salad, chips, veggies, baked beans, etc. N through Z- fruit, pie, cake, cookies, candy, etc.

2. Bring lawn chairs so that you don't have to sit around the picnic tables and get fat. (A few of us noble types will take on that task for you.)

3. In order to get a fairly accurate count of the number attending we will have a sign up sheet but only one person in each family or group need sign up. Indicate in brackets following your name how many others there are in your party.

4. We will need a few volunteers to help clean up. Please volunteer. You will be handsomely rewarded with surplus pie, cake, cookies, etc.

5. Talk-In will be on 148.520

6. If you plan to bring any material to swap please check "five-two" as you approach the picnic grounds because we are going to try to get all you folks together in one parking area.

Floyd, KB5FCN, Picnic Chairman, 528-6984



"No matter what the project he's working on is supposed to be, it ends up being a light dimmer" from the April '93 Mobile AR Awards Club "County Line Road Runner" —R. Dyson, KØAYO, Editor

It's Swapfest Time
 Want to buy that new rig...
 Soften up the YL/XYL with a
 \$10.00 Gift Certificate from
 Avon
 TO ORDER call 633-5650
 Renay Boyes
 KAØROY



BEST KEPT SECRET IN SCIENCE...

Nikola Tesla

—*The Man Who Invented The 20th Century.*

Learn more about the inventor of **radio**, **remote control devices**, **turbines**, **bladeless pumps** and the **worldwide wireless transmission of electricity**. Then take the lab demonstration tour and see for yourself what Tesla Technology contributes to the 20th Century. Watch as we make real lighting! Touch the **Plasma Jars**, see our **Tesla Coils** fire up, feel real **electricity**! This is a *must see* on your tour calendar.

Tours at 2PM Monday thru Saturday.



Visit the
NIKOLA TESLA MUSEUM
of Science & Industry

2220 East Bijou
 Colo Spgs, CO 80909

Or call (719) 475-0918

Membership Application PIKES PEAK RADIO AMATEUR ASSOCIATION, INC.

P.O. Box 16521
 Colorado Springs, CO 80935

Date _____

Name _____

Address _____

City _____ State _____ Zip _____

Call _____ License Class _____

Are You An ARRL Member? ☐ Yes ☐ No

Telephone _____

- Member Over 65 \$10.00
- Family Both Over 65 \$12.00
- Associate Member \$10.00

- Full Member \$15.00
- Family Membership \$18.00
- Newsletter Only \$10.00

Additional Names _____ Call _____ Class _____

Associate Member ☐ (Outside Teller & El Paso Counties.) ☐ RENEWAL ☒ HERE

PLEASE TYPE OR PRINT CLEARLY